

## AMENDMENT TO THE SPECIFICATION

Please replace paragraph 0001 with the following amended paragraph:

This application is a continuation of ~~U.S. Ser. No.~~ US Appl. No. 09/397,957, filed Sep. 17, 1999, and issued May 25, 2004, as US Patent 6,740,518, which claims the benefit of the filing date of ~~U.S. S. No.~~ US Appl. No. 60/100,730, filed Sep. 17, 1998, and both applications of which are incorporated herein by reference.

Please replace paragraph 0016 with the following amended paragraph:

**FIG. 6** depicts the detail of the first four peaks of the frequency spectrum for (A)~~(1)-(4)~~ a buffer measurement and (B)~~(1)-(4)~~ a 1  $\mu$ M DNA measurement.

Please replace paragraph 0020 with the following amended paragraph:

**FIG. 10** shows the AC voltammogram response at the (A) fundamental, (B) second, (C) third and (D) fourth harmonic using FFT.